Volume 43, 1989, Numbers 1–3

CONTENTS

Number 1 PAGE

Drugs acting on brain dopamine receptors: A conceptual re-evaluation five years after the first selective D-1 antagonist: *J. L. Waddington and K. M. O'Boyle* 1

Genetic polymorphism of *S*-mephenytoin hydroxylation: *G. R. Wilkinson, F. P. Guengerich and R. A. Branch* 53

Methyltransferase pharmacogenetics: *R. Weinshilboum* 77

The pharmacology of antiglaucoma drugs: *M. F. Sugrue* 91

Mechanisms of carbon tetrachloride toxicity: *R. O. Recknagel, E. A. Glende, Jr, J. A. Dolak and R. L. Waller* 139

Number 2

Enhancement of 5-fluorouracil antitumor effects by the prior administration of methotrexate: *L. E. Damon, E. Cadman and C. Benz* 155

The low density lipoprotein receptor: Structure, function and pharmacological modulation: *A. L. Catapano* 187

Regulation of cholesterol synthesis and the potential for its pharmacologic manipulation: *R. A. Davis, M. Sinensky and L. H. Junker* 221

The deficiency of sulfoxidation of *S*-carboxymethyl-L-cysteine: *S. C. Mitchell and R. H. Waring* 237

Interindividual variation in the metabolism of ethynylestradiol: *M. L'E. Orme, D. J. Back and S. Ball* 251

UDP-glucuronosyltransferases: *B. Burchell and M. W. H. Coughtrie* 261

Pulmonary toxicity of 4-ipomeanol: *T. E. Gram* 291

Number 3

Estramustine—a nitrogen mustard/steroid with anti-microtubule activity: *K. D. Tew and M. E. Stearns* 299

Heterobifunctional photoaffinity labeling reagents: *T. H. Ji and I. Ji* 321

Photoaffinity labeling of the choriogonadotropin receptor: *I. Ji, Y. Okada, R. Nishimura and T. H. Ji* 333

Photoaffinity labeling of the follitropin receptor: *T. H. Ji and J. Shin* 345

Human drug metabolism *in vivo*: *D. S. Sitar* 363

DNA topoisomerases as potential targets of antiviral action: *K. N. Kreuzer* 377

Novel peripheral neurotransmitters and control of the airways: *J.-A. Karlsson and C. G. A. Persson* 397

Effects of food on drug absorption: *P. G. Welling* 425